

State Route 65/70 / Yuba Parkway Connector Option A Cost Estimate
Summary

03-YUB-65, PM 7.5/9.2

03-YUB-70, PM 7.0/9.0

EA 03-3E810K

PROJECT DESCRIPTION:

Limits: SR 65 / 70 Connector Improvements. SR 70 improvements limits are from approximately 0.3 mile north of McGowan Parkway to approximately 0.9 mile north of the SR 65 Interchange.

Proposed Improvement (Scope): Major Improvement features includes auxiliary lanes , bridge overcrossing at the current SR 65/70 interchange, and new roadway north of SR 65.

Alternative: Option A

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	<u>\$ 17,850,000</u>
TOTAL STRUCTURE ITEMS	<u>\$ 36,390,000</u>
SUBTOTAL CONSTRUCTION COSTS	<u>\$ 54,240,000</u>
TOTAL RIGHT OF WAY ITEMS	<u>\$ 9,100,000</u>
TOTAL ALTERNATIVE COST	<u>\$ 63,340,000</u>

Reviewed by District Program Manager

(Signature)

Approved by Project Manager

(Signature)

Date

Phone Number

I. ROADWAY ITEMS

<u>Section 1. Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	29,073	CY	\$ 20.00	\$ 581,460	
Imported Borrow (NB ramp, Erle, and Lindhurst)	147,766	CY	\$ 17.00	\$ 2,512,022	
Remove Curb and Gutter	-	FT	\$ 6.00	\$ -	
Remove SW	-	SF	\$ 3.00	\$ -	
Remove PCC Pavement	-	SF	\$ 3.00	\$ -	
Remove AC Pavement	14,692	SF	\$ 3.00	\$ 44,076	
Clearing & Grubbing	1	LS	\$ 100,000.00	\$ 100,000	
Remove Unsuitable Material	-		\$ -	\$ -	
Develop Water Supply	-		\$ -	\$ -	
Roadway Obliteration	-	SQYD	\$ 3.00	\$ -	
				<u>Subtotal Earthwork</u>	<u>\$ 3,237,558</u>

<u>Section 2. Pavement Structural Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
PCC Pavement (1.0' Depth) Curb and Gutter		CY	\$ 625.00	\$ -	
PCC Pavement (1.0' Depth) Median Curb		CY	\$ 625.00	\$ -	
PCC Pavement (0.5' Depth) Medians		CY	\$ 300.00	\$ -	
PCC Pavement (0.5' Depth) SW	-	CY	\$ 300.00	\$ -	
Asphalt Concrete (0.9' Depth)	36,974	TON	\$ 100.00	\$ 3,697,400	
Open Graded AC (___ Depth)			\$ -	\$ -	
Cement-Treated Base			\$ -	\$ -	
Aggregate Base (1.5' Depth)	30,432	CY	\$ 60.00	\$ 1,825,920	
Treated Permeable Base			\$ -	\$ -	
Aggregate Subbase			\$ -	\$ -	
Pavement Reinforcing Fabric			\$ -	\$ -	
Asphaltic Emulsion Binder			\$ -	\$ -	
Crack Sealing			\$ -	\$ -	
AC Cold Planing		SF	\$ 1.00	\$ -	
Shoulder Backing			\$ -	\$ -	
				<u>Subtotal Pavement Structural Section</u>	<u>\$ 5,523,320</u>

<u>Section 3. Drainage</u>					<u>Section Cost</u>
	\$ 10,172,606	x (10%) =	\$ 1,017,261		
(Subtotal Sections 1, 2, 4 & 5)					

Subtotal Drainage Items \$ 1,017,261

Subtotal Drainage \$ 1,017,261

<u>Section 4. Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Misc Frontage Work	0	LS	\$ 300,000	\$ -	
Retaining Walls	0	LS	\$ 500,000	\$ -	
Rumble Strip			\$ -	\$ -	
Barriers and Guardrails			\$ -	\$ -	
Left Turn Channelization			\$ -	\$ -	
Highway Planting	0	LS	\$ 75,000	\$ -	
-Concrete Barrier (Type 60C)		LF	\$ 75	\$ -	
-Asphalt Concrete (.67' Depth)		TON	\$ 100.00	\$ -	
-Aggregate Base (1.5' Depth)		CY	\$ 50.00	\$ -	
-Roadway Excavation		CY	\$ 20.00	\$ -	
-Remove Metal Beam Guardrail		LF	\$ 35.00	\$ -	
Replacement Planting			\$ -	\$ -	
Irrigation Modification			\$ -	\$ -	
Relocate Private Irrigation Facilities			\$ -	\$ -	
Erosion Control			\$ -	\$ -	
Slope Protection			\$ -	\$ -	
Water Pollution Control			\$ -	\$ -	
Hazardous Waste Mitigation Work			\$ -	\$ -	
Environmental Mitigation			\$ -	\$ -	
Resident Engineer Office Space			\$ -	\$ -	
Subtotal Specialty Items					\$ -

<u>Section 5. Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Lighting	0	EA	\$ 6,000	\$ -	
Traffic Signals	1	EA	\$ 300,000	\$ 300,000	
Overhead Signs - Hanging from structure	2	EA	\$ 15,000	\$ 30,000	
Overhead Signs - WB On Ramp,Aux lane, Adv inc	1	LS	\$ 750,000	\$ 750,000	
Construction Area Signs	10	EA	\$ 200	\$ 2,000	
Traffic Control	1	LS	\$ 250,000	\$ 250,000	
Incl Traffic Control Systems				\$ -	
and Traffic Delineation Items				\$ -	
and Transportation Management Plan				\$ -	
Remove Signing and Striping	3673	LF	\$ 1.3	\$ 4,775	
Remove Pavement Marking	0	SF	\$ 7.0	\$ -	
Signing and Striping	44090	LF	\$ 1.7	\$ 74,953	
Pavement Marking	0	SF	\$ 3.4	\$ -	
Subtotal Traffic Items Section					\$ 1,411,728

TOTAL SECTIONS 1 thru 5 **\$ 11,189,866**

Section 6. Minor Items

Section Cost

\$ 11,189,866 x (10%) = \$ 1,118,987
(Subtotal Sections 1 thru 5)

Subtotal Minor Items \$ 1,118,987

Section 7. Roadway Mobilization

Section Cost

\$ 12,308,853 x (10%) = \$ 1,230,885
(Subtotal Sections 1 thru 6)

Subtotal Roadway Mobilization \$ 1,230,885

Section 8. Roadway Additions

Section Cost

Supplemental Work
\$ 12,308,853 x (10%) = \$ 1,230,885
(Subtotal Sections 1 thru 6)

Contingencies
\$ 12,308,853 x (25%) = \$ 3,077,213
(Subtotal Sections 1 thru 6)

Subtotal Roadway Additions \$ 4,308,099

TOTAL ROADWAY ITEMS \$ 17,847,837
(Subtotal Sections 1 thru 8)

CALL \$ 17,850,000

Estimate Prepared By Ray Hsieh **Phone #** (916) 960-4335 **Date** Oct-08
(Print Name)

Estimate Checked By Sandy Wong **Phone #** (916) 960-4330 **Date** Oct-08
(Print Name)

II. STRUCTURES ITEMS

	Structure I	Structure II
Bridge Name	<u>NB 65/70 Connector</u>	<u>SB 65/70 Connector</u>
Structure Type	<u>CIP P/S</u>	<u>CIP P/S</u>
Width (out to out) - (ft)	<u>38'-10"</u>	<u>38'-10"</u>
Length - (ft)	<u>2150'-0"</u>	<u>2085'-0"</u>
Total Area -(ft ²)	<u>83729</u>	<u>80967</u>
Footing Type (pile/spread)	<u>Assumed 16" CIDH</u>	<u>Assumed 16" CIDH</u>
Cost per ft ²		
Incl 10% mobilization and 25% contingency)	<u>\$ 223</u>	<u>\$ 219</u>
Total Cost For Structure	<u>\$ 18,650,000</u>	<u>\$ 17,740,000</u>

Subtotal Structures Items \$ 36,390,000
(Sum of Total Cost for Structures)

Railroad Related Costs: _____ \$ -

_____ \$ -

_____ \$ -
Subtotal Railroad Items \$ -

TOTAL STRUCTURES ITEMS \$ 36,390,000
(Sum of Structures Items plus Railroad Items)

COMMENTS: See APS approved 12/15/2008 by AD

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(Print Name)

III. RIGHT OF WAY ITEMS

	ESCALATED VALUE
A. Acquisition, including excess lands, damages to remainder(s) and Goodwill	<u>\$ 9,100,000</u>
B. Utility Relocation (State Share)	<u>\$ -</u>
C. Relocation Assistance	<u>\$ -</u>
D. Clearance/Demolition	<u>\$ -</u>
E. Title and Escrow Fees	<u>\$ -</u>

TOTAL RIGHT OF WAY ITEMS \$ 9,100,000

Anticipated Date of Right of Way Certification: _____
(Date to which Values are Escalated)

F. Construction Contract Work

Brief Description of Work:

Right of Way Branch Cost Estimate for Work* \$ -

*This dollar amount is to be included in the Roadway
and/or Structures Items of Work, as appropriate.
Do not include in Right of Way Items.

COMMENTS:

Estimate Prepared By	<u>Ray Hsieh</u> (Print Name)	Phone #	<u>(916) 960-4335</u>	Date	<u>Oct-08</u>
Estimate Checked By	<u>Sandy Wong</u> (Print Name)	Phone #	<u>(916) 960-4330</u>	Date	<u>Oct-08</u>